



PTO/SB/21 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/813,815
Filing Date	March 31, 2004
First Named Inventor	Manna et al.
Art Unit	1723
Examiner Name	Not Yet Known
Attorney Docket Number	KUM-PT002

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Copy of Notice of Incomplete Reply</b>
<b>Remarks</b> Transmittal Form w/Cert. of 1st Cl. Mailing, Fee Trans Form, PTO-2038 Form, Petition for Ext of Time, Communication in Response to Notice of Incomplete Reply, Copy of Notice of Incomplete Reply, Six (6) sheets of Formal Drawings. All submitted to the USPTO on October 14, 2004.		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	Louis Weinstein		
Date	March 23, 2006	Reg. No.	20,477

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Louis Weinstein	Date	Mar. 23, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 320.00

**Complete if Known**

Application Number	10/813,815
Filing Date	March 31, 2004
First Named Inventor	Manna et al.
Examiner Name	Not Yet Known
Art Unit	1723
Attorney Docket No.	KUM-PT002

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number  
Deposit Account Name

22-0493

VOLPE AND KOENIG, P.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claim	=	X	= 0.00
Multiple Dependent Claim	=	X	= 0.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	320.00
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 320.00

**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	Louis Weinstein	Registration No. (Attorney/Agent)	20,477	Telephone	215-568-6400
Signature		Date	October 14, 2004		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Manna et al.

**Application No.:** 10/813,815

**Confirmation No.:** 5043

**Filed:** March 31, 2004

**For:** DEVICE AND METHOD FOR NON-  
DISPERSIVE CONTACTING OF  
LIQUID-LIQUID REACTIVE SYSTEM

**Group:** 1723

**Examiner:** Not Yet Known

**Our File:** KUM-PT002

**Date:** March 23, 2006

**COMMUNICATION IN RESPONSE TO  
NOTICE OF INCOMPLETE REPLY**

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice of Incomplete Reply mailed from the Office on March 14, 2006, Applicant submits that the requirement for Replacement Drawings set forth therein was timely submitted to the United States Patent Office, Notice of Missing Parts dated June 14, 2004.

Applicant timely responded thereto and filed the following:

1. Transmittal Form with Certificate of First Class Mailing

**Applicant:** Manna et al.  
**Application No.:** 10/813,815

2. Fee Transmittal Form
3. PTO-2038 Form
4. Petition for Extension of Time for Two Months less the Fee for One Month

Extension Filed On September 9, 2004

5. Communication in Response to Notice of Incomplete Reply
6. Copy of Notice of Incomplete Reply
7. Six (6) sheets of Formal Drawings.

Applicant submitted all of the aforesaid documents with a return postcard which was stamped as having been received by the United States Patent Office on October 18, 2004. A copy of the return postcard is submitted herewith.

In a telephone conversation with the Office of Initial Patent Examination on March 23, 2006, Applicant's undersigned representative was advised that none of the above documents are presently in the Patent Office file. Responsive to the request that a copy of all of the aforesaid documents be submitted, copies of the aforesaid documents accompany this response. In view of the forgoing, it is submitted that Applicant has timely filed a full and complete response to the Notice to File Missing Parts and it is

**Applicant:** Manna et al.  
**Application No.:** 10/813,815

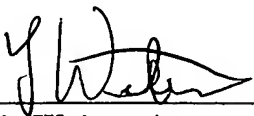
submitted that the present application is now complete and in proper order for examination and early examination is respectfully requested.

A copy of the notice of Incomplete Reply also accompanies this response.

Favorable action is awaited.

Respectfully submitted,

Manna et al.

By   
Louis Weinstein  
Registration No. 20,477  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

LW/drj  
Enclosures



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/813,815	03/31/2004	Ujjwal Manna	KUM-PT002

3624  
 VOLPE AND KOENIG, P.C.  
 UNITED PLAZA, SUITE 1600  
 30 SOUTH 17TH STREET  
 PHILADELPHIA, PA 19103

RECEIVED

AM/PW

MAR 20 2006

VOLPE &amp; KOENIG, P.C.

CONFIRMATION NO. 5043

FORMALITIES  
 LETTER

Date Mailed: 03/14/2006

## NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

*Filing Date Granted*

The U.S. Patent and Trademark Office has received your reply on 03/14/2006 to the Notice to File Missing Parts (Notice) mailed 06/14/2004 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice.

The period of reply remains as set forth in the Notice. You may, however, obtain EXTENSIONS OF TIME under the provisions of 37 CFR 1.136 (a) accompanied by the appropriate fee (37 CFR 1.17(a)).

A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
  - The drawings must be made on paper that has a white background (see 37 CFR 1.84 (e)). For example, drawings on graph paper, lined paper, or paper that has a non-white background are not acceptable. See Figure(s) 1-6.

Replies should be mailed to: Mail Stop Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

A handwritten signature in black ink, appearing to be 'J. H. Smith', is written above a horizontal line.

Office of Initial Patent Examination (571) 272-4000, or 1-800-PTO-9199, or 1-800-972-6382  
PART 1 - ATTORNEY/APPLICANT COPY



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Manna et al.

**Application No.:** 10/813,815

**Confirmation No.:** 5043

**Filed:** March 31, 2004

**For:** DEVICE AND METHOD FOR NON-  
DISPERSIVE CONTACTING OF  
LIQUID-LIQUID REACTIVE SYSTEM

**Group:** 1723

**Examiner:** Not Yet Known

**Our File:** KUM-PT002

**Date:** October 14, 2004

**COMMUNICATION IN RESPONSE TO  
NOTICE OF INCOMPLETE REPLY**

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice of Incomplete Reply mailed from the Office on  
September 28, 2004, the following are enclosed:

1. Copy of Notice of Incomplete Reply;
2. 6 Sheets of Formal Drawings; and
3. Petition for Extension of Time for Two (2) Months Less the  
fee for the One (1) Month Extension filed on September 9,  
2004.

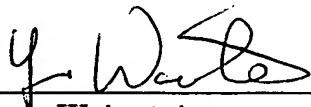


**Applicant:** Manna et al.  
**Application No.:** 10/813,815

Prompt examination of the Application is respectfully requested.

Respectfully submitted,

Manna et al.

By   
Louis Weinstein  
Registration No. 20,477  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

LW/ns  
Enclosures



FW

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/813,815	03/31/2004	Ujjwal Manna	KUM-PT002

CONFIRMATION NO. 5043

## FORMALITIES LETTER



\*OC000000013924502\*

3624

VOLPE AND KOENIG, P.C.  
UNITED PLAZA, SUITE 1600  
30 SOUTH 17TH STREET  
PHILADELPHIA, PA 19103

Date Mailed: 09/28/2004

## NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

*Filing Date Granted*

The U.S. Patent and Trademark Office has received your reply on 09/13/2004 to the Notice to File Missing Parts (Notice) mailed 06/14/2004 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice.

The period of reply remains as set forth in the Notice. You may, however, obtain EXTENSIONS OF TIME under the provisions of 37 CFR 1.136 (a) accompanied by the appropriate fee (37 CFR 1.17(a)).

A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

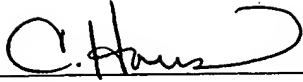
The application is informal since it does not comply with the regulations for the reason(s) indicated below.

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Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

A copy of this notice **MUST** be returned with the reply.



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Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



✓  
Atty. Docket # KUM-PT002

Mailed prepaid on: October 14, 2004

by [ X ] First Class or [ ] Express Mail to: Mail Stop  
Missing Parts, Commissioner for Patents, P.O. Box  
1450, Alexandria, VA 22313-1450

**IN RE PATENT APPLICATION OF**

**Inventors:** Manna et al.

**Appln. No.:** 10/813,815

**Filed:** March 31, 2004

**Title:** DEVICE AND METHOD FOR NON-  
DISPERSIVE CONTACTING OF LIQUID-LIQUID  
REACTIVE SYSTEM

Kindly acknowledge receipt of the following items with respect to the  
above-identified matter by placing your date stamp hereon and  
mailing this self addressed and posted card:

Transmittal Form with Certificate of First Class  
Mailing (1 pg.);

Fee Transmittal Form (1 pg.);

PTO-2038 Form (1 pg.);

Petition For Extension Of Time For Two Months Less  
The Fee For One Month Extension Filed on September  
9, 2004 (1 pg.);

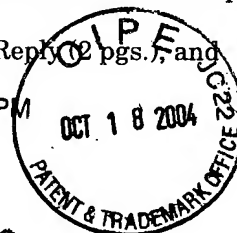
Communication in Response to Notice of Incomplete  
Reply (2 pgs.);

Copy of Notice of Incomplete Reply (2 pgs.) and  
6 sheets of formal drawings.

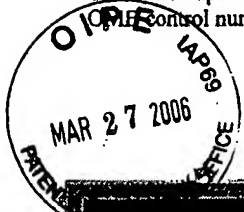
LW/ns

OCT 21 2004

VOLPE & KOENIG, P.C.



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## United States Patent &amp; Trademark Office

## Credit Card Payment Form

Please Read Instructions before Completing this Form

COPY

## Credit Card Information

Credit Card Type: American Express

Credit Card Account #: [REDACTED]

Credit Card Expiration Date: August 2005

Name as it Appears on Credit Card: Louis Weinstein

Payment Amount: \$(US Dollars): 320.00

Signature: [Signature]

Date: October 14, 2004

**Refund Policy:** The Office may refund a fee paid by mistake or in excess of that required. A change of purpose after the payment of a fee will not entitle a party to a refund of such fee. The Office will not refund amounts of twenty-five dollars or less unless a refund is specifically requested, and will not notify the payor of such amounts (37 CFR 1.26). Refund of a fee paid by credit card will be via credit to the credit card account.

**Service Charge:** There is a 50.00 service charge for processing each payment refused (including a check returned "unpaid") or charged back by a financial institution (37 CFR 1.21(m)).

## Credit Card Billing Address

Street Address 1: Volpe and Koenig, P.C., United Plaza, Suite 1600

Street Address 2: 30 South 17th Street

City: Philadelphia

State: PA

Zip/Postal Code: 19103

Country: USA

Daytime Phone #: 215-568-6400

Fax #: 215-568-6499

## Request and Payment Information

Description of Request and Payment Information: Petition For Extension Of Time For Two Months Less The Fee For One Month Extension Filed on September 9, 2004

Patent Fee	Patent Maintenance Fee	Trademark Fee	Other Fee
Application No. 10/813,815	Application No.	Serial No.	IDON Customer No.
Patent No.	Patent No.	Registration No.	
Attorney Docket No. KUM-PT002		Identify or Describe Mark	

If the cardholder includes a credit card number on any form or document other than the Credit Card Payment Form, the United States Patent & Trademark Office will not be liable in the event that the credit card number becomes public knowledge.